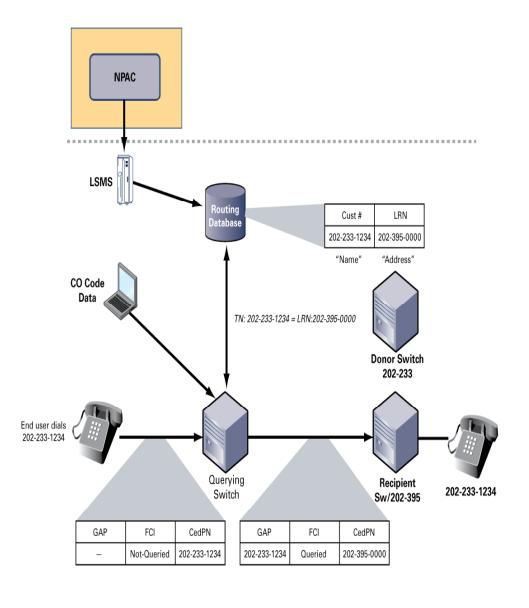
LNP Administration in the U.S.

Federal Communications Commission Wireline Competition Bureau

March 8, 2012



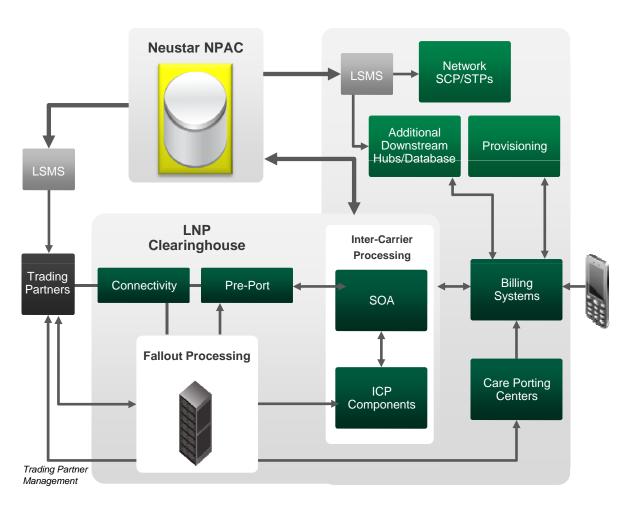
Local Number Portability in the U.S.



- Architectural Model:
 - » Centralized database
 - » All-Call-Query
 - » Real-time universal distribution
 - » Switch-level routing
 - » Service-neutral
- NPAC manages and distributes authoritative data for routing, rating, & billing
- Synchronized distribution across telecom supply chain, necessary to ensure voice and non-voice services ported simultaneously (CNAM, SMS/MMS, 3rd-party content)



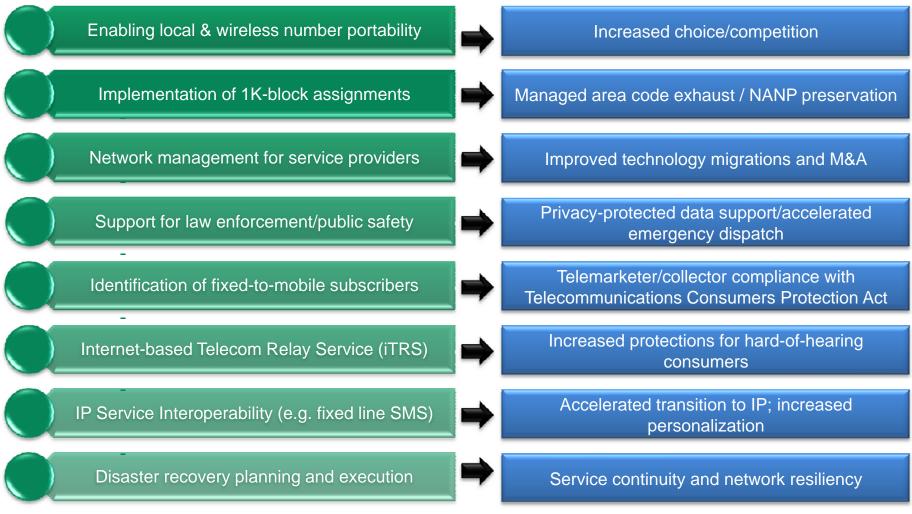
Carrier Investment to Support LNP



- 2200+ Network-based service providers
- 4000+ indirect users
- 491 SOA associations
- 237 LSMS associations
- 551M telephone numbers under management (as of EOY 2011)
- 2B+ industry interactions per year
- 7 transactions per second
- Managed partial-fail notification

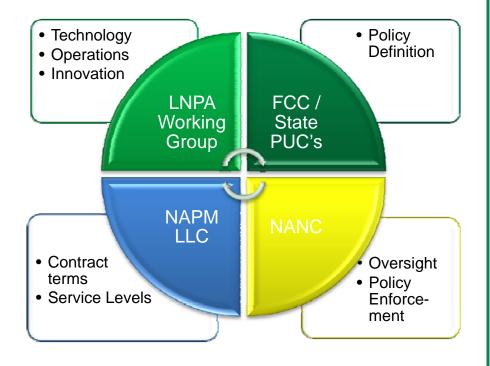


Functions of the LNPA, and Associated Consumer Benefits

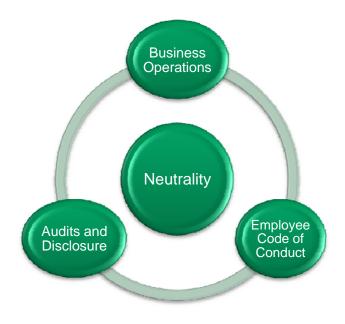




LNPA Governance



LNPA Neutrality





What Does the Future Hold?

TN 1.0: Before Number Portability



Numbers owned by carriers – can be translated into geography, service provider, service type, terminating facilities

TN 2.0: After Number Portability







Subscribers can retain their numbers when changing service provider or service type

TN 3.0: Number Portability in an all-IP World













Communication, entertainment & social media converging; consumers manage their own addresses

